## INTERNATIONAL SEARCH REPORT

Atemational Application No

			/ L1 2004	7 031002						
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 E21B47/12 E21B47/06										
According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS SEARCHED										
Minimum documentation searched (classification system followed by classification symbols)  IPC 7 E21B G02B										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched										
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  EPO-Internal, PAJ, WPI Data										
C. DOCUME										
Category °	Citation of document, with indication, where appropriate, of the r		Relevant to claim No.							
А	WO 00/49273 A (SCHLUMBERGER CA L;SCHLUMBERGER SERVICES PETROL (F SCHLUMBERG) 24 August 2000 (2000 cited in the application page 6, paragraph 2 - page 7, pa figure 6	1-20								
Α	EP 0 424 120 A (BAROID TECHNOLOG 24 April 1991 (1991-04-24) cited in the application the whole document	1-20								
A .	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 22, 9 March 2001 (2001-03-09) & JP 2001 124529 A (SUMITOMO ELE LTD), 11 May 2001 (2001-05-11) cited in the application abstract		1-20							
Furth	ner documents are listed in the continuation of box C.	V Patent family r	members are listed in	annex						
		X Patent family r								
"A" docume consid "E" earlier of filing d "L" docume which is citation	regories of cited documents:  and defining the general state of the art which is not ered to be of particular relevance document but published on or after the international ate in which may throw doubts on priority claim(s) or is cited to establish the publication date of another or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	<ul> <li>"T" tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-</li> </ul>								
other n	neans ent published prior to the international filing date but	ination being obvious	s to a person skilled							
	an the priority date claimed actual completion of the international search	*&* document member of the same patent family  Date of mailing of the international search report								
	2 September 2004	30/09/2004								
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2	Authorized officer								
	NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Morrish, S								

## INTERNATIONAL SEARCH REPORT

information on patent family members

International Application No '/EP2004/051602

	tent document in search report		Publication date		Patent family member(s)	Publication date
WO	0049273	Α	24-08-2000	WO	0049273 A1	24-08-2000
			•	AU	2181399 A	04-09-2000
				GB	2362909 A ,B	05-12-2001
				US	6644402 B1	11-11-2003
EP	0424120	A	24-04-1991	US	4976142 A	11-12-1990
				US	5163321 A	17-11-1992
				EP	0424120 A2	24-04-1991
				NZ	235736 A	28-04-1993
				PT	95614 A	30-06-1992
				RU	2013537 C1	30-05-1994
				JP	2877942 B2	05-04-1999
				JP	4189998 A	08-07-1992
				MX	172167 B	06-12-1993
				TR	26370 A	15-03-1995
JP	2001124529	<b></b>	11-05-2001	NONE		